ZHEDENOV, V.N.

Formation of lobar separation of the lungs in ontogenesis in mammals and men; data according to historical development. Doklady Akad nauk SSSR 86 no. 5:1061-1064 11 Oct 1952. (CIML 23:3)

1. Presented by Academician A. I. Abrikosov 31 July 1952. 2. Odessa Agricultural Institute.

ZHEBENOV, V. N.

Lungs and heart, human and animal Moskva, Sovetskaia nauka, 1954. 203 p. (54-44191)

QL848.25

ZHEDEYKO, Ya.V.

[Rolling threads on lathes] Nakatyvanie rez'by na tokarnykh stankakh. Leningrad, Gos.nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, Leningradskoe otd-nie, 1953. 24 p.
(MLRA 7:2)

(Screw threads) (Turning)

ZHEDEYKO, YA. V.

YA. V. Zhedeyko, Nakatka rez'by na tokarnom stanke /Cutting Thread on a Lathe/, Mashgiz 2 sheets

The brochure describes a method of cutting short and long external threads on lathes with a special attachment. A complete description is given of the design of the attachment its mounting on the lathe, estimation of supplies, and manufacturing knurling (roliki) /rollers/, and includes working diagrams of the attachment.

The brochure is intended for stakhanovites and technical engineering workers of machine shops.

SO: U-6472, 12 Nov 1954

KARASEVA, A.A.; ZHEDIDEVA, L.G.; VOZNESENSKAYA, Ye.V.

Production of lubricating oils from eastern sulfur-bearing crudes. Trudy VNII NP no.7:8-19 '58. (MIRA 12:10)
(Lubrication and lubricants) (Petroleum)

POZDNYAKOV, P.G., inzhener; ZHADULEV, I.S., inzhener.

All-Union scientific-technical conference on piezoelectricity. Elektrichestvo no.6:85-86 Je '53. (MLRA 6:7)
(Piezoelectricity)

ZHEDUNOVA, M.I.

Selection of smooth forms of Salmonella paratyphi A. cultures.
Zhur.mikrobiol. epid. i immun. 29 no.9:118-121 S'58 (MIRA 11:10)
(SALMONELLA PARATYPHI, culture
A, Smooth forms (Rus))

ZHEDYAYEVSKAYA, G., inzh.

Reconditioning parts by porous iron plating. Avt. transp. 41 no.3:38-40 Mr '63. (MIRA 16:4)

(Iron plating)

18.7400

S/123/59/000/010/042/068
A004/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 10, p. 127, # 38160

AUTHOR: Zhedyayevskaya, G. D.

TITLE: Conditions to Obtain Porous Platings With Electrolytic Steeling

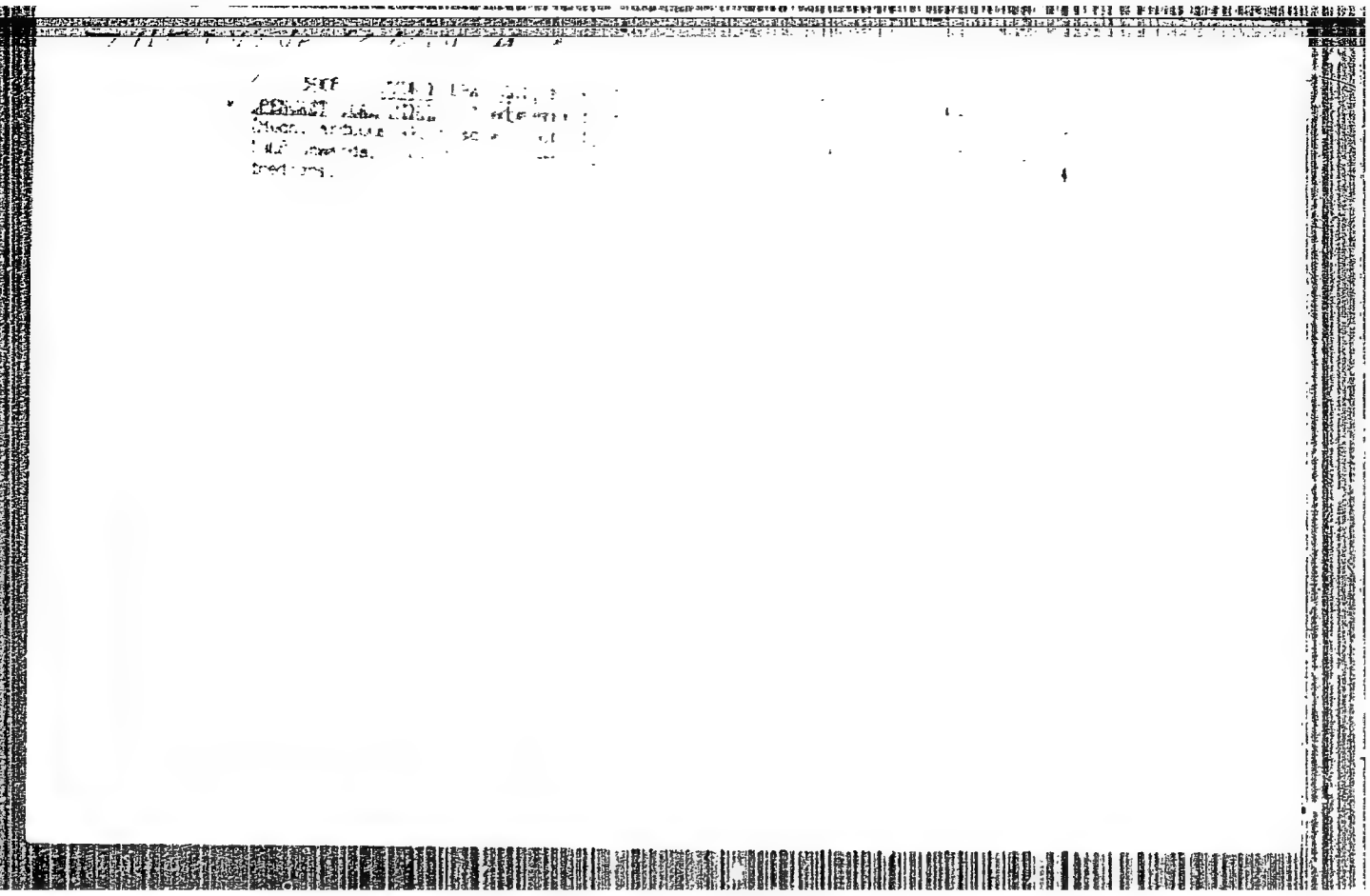
PERIODICAL: Sb.: nauchn. soobshch. Saratovsk avtomob. dor. in-t, 1958, No. 11, pp. 23-26

TEXT: The author reports on the possibility of depositing porous Fe which possesses the properties of porous Cr. The deposition is effected in chlorous electrolytes of low Fe-concentration at 80°C and D_c = 20 amp/dm^2. The formation of porousness over a depth of layer of 70-80μ is effected in the same electrolyte for 7-8 minutes at 80°C and D_a = 40 amp/dm^2. The lattice density increases with the increase of D_c. The wettability of a porous Fe-layer exceeds that of a smoothly steeled one by 10-12 times and that of gray cast iron by 8-9 times. It can be assumed that the process of porous iron plating will be used for piston rings and cylinder liners. See also Ref. Zhurnal Mashinostr. 1959, No. 3, # 8831. S.H.A.
Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

ZHEDYAYEVSKAYA, G.D., kand. tekhn. nauk; BABENKO, V.A.

New techniques in reconditioning parts using hard electrolytic iron.
Mashinostroitel' no.10:9-10 O '65. (MIRA 18:10)



ZHEDKAYEVSKIY, M.A.

Modernization of hydromechanization equipment at the Nazarovo no.2 open-pit mine. Ugol' 35 no.3:1-3 Mr '60. (MIRA 13:6)

1. Nazarovskaya kontora Gidromekhanizatsii.
(Krasnoyarsk Territory--Strip mining)
(Hydraulic mining)

ZHEDYAYEVSKIY, M.A.

Hydromechanization at the site of Nazarovo coal pits. Mekh.trud.rab. 10 no.10:23-24 O '56. (MLRA 10:1)

1. Nachal'nik Nazarovskoy kontory gidromekhanizatsii.
(Nazarovo--Coal mining machinery)

GUS'KOV, A.M.; ZHEDYAYEVSKIY, M.A.

Hydraulic mining at the Nazarovo strip mine. Ugol' 39 no.5:41-42 My '64. (MIRA 17:8)

1. Nazarovskiy kar'yer.

ZHEDYAYEVSKIY, M.A.

Experience in increasing the operative efficiency of hydraulic systems in stripping operations. Ugol' 37 no.11:13-15 N '62. (MIRA 15:10)

1. Nachal'nik Kontory gidromekhanizatsii Nazarovskogo razrezupravleniya.
(Kuznetsk Basin--Strip mining--Hydraulic equipment)

ZHEDYAYEVSKIY, M.Ya., inzhener; MEYYER, A.P., inzhener.

Sinking a reinforced concrete well with the help of a jet elevator. Mekh.trud.rab. 11 no.3:22-23 Mr '57. (MLRA 10:5)
(Wells) (Jets)

ZHEGALENKOV, I.

High production attachments. Prof.-tekh.obr. 11 no.4:19-20 Jl '54. (MLRA 7:9)

1. Inzhener remeslennogo uchilishcha No. 1 (Yaroslavskaya oblast')
(Yaroslavl' Province--Metalwork--Study and teaching)
(Metalwork--Study and teaching--Yaroslavl' Province)

ZHEGALENKOV, I. O., Engineer

"Introducing Corrections for Precision in the Operation of Screw and Worm Pairs," Stanki I Instrument, 16, No. 12, 1945

BR-52059019

ZHEGALENKOV, I. S., Engineer

"The Manufacture of Lead Screws for Precision Machine Tools", Stanki I Instrument, 17, Nos. 4-5, 1946

BR-52059019

1. ZHEGALENKOV, I. S.

2. USSR (600)

7. Technology of Production of Jog-Foring Machines, Machine Tools and Instruments No. 9, Sep 1950

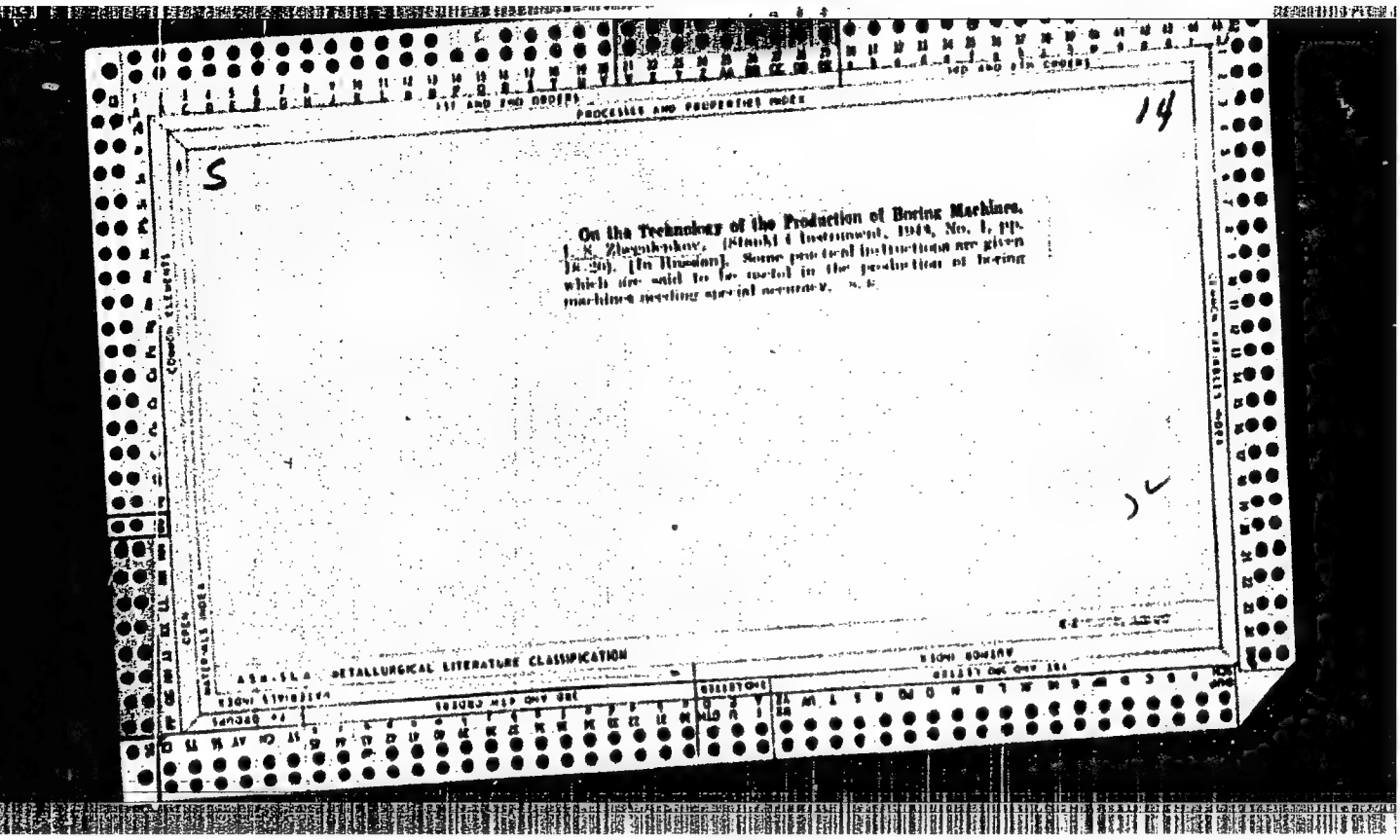
9. Compilation of Information of the USSR Machine and Machine Tools Industry Contained in Soviet Publications. [redacted]

ZHEGALENKOV, I. S.

"The Technology of Production of Co-ordinated Boring Machines," Stanki i Instrument, No. 1, 1948.

ZHEGALENKOV, I. S.

"Mechanism for a Universal Indexing Head, which Increases the Precision of the Indexing," Stanki I Instrument, No. 4, 1949.



On the Technology of the Production of Boring Machines. L. S. Zhegalskiy. (Stanki i Instrument, 1948, No. 1, pp. 14-20). [In Russian]. Some practical instructions are given which are said to be useful in the production of boring machines needing special accuracy. N.S.

1. ZHEGALENKOV, N. S.

2. USSR (600)

7. Chuck for Grinding Circular Threads, Machine Tools and Instruments No. 12, Dec 1948

9. Compilation of Information of the USSR Machine and Machine Tools Industry Contained in Soviet Publications. [redacted]

ZHEGALIN, Ivan Kuz'mich; YERSHOV, V., red.; IZHBOLDINA, S., tekhn.red.

[Seven-year plan of Stalingrad Province, 1959-1965] Semiletka Stalingradskoi oblasti, 1959-1965. Stalingrad, Stalingradskoe knizhnoe izd-vo, 1959. 129 p. (MIRA 13:2)

1. Sekretar' Stalingradskogo Obkoma Kommunisticheskoy partii Sovetskogo Soyuza (for Zhegalin).
(Stalingrad Province--Economic policy)

ZHEGALIN, I.K.; PUSTYGIN, A.A., glav. agronom; SPODENYUK, N.I.; BYKOV, N.I.; REDIN, P.N., glav. agronom; LOGVIN, N.P., Geroy Sotsialisticheskogo Truda; GUSEV, I.D.; PETROV, S.N.; VLASOV, A.N., glav. zootekhnik; SHEREMET, L.D., glav. bukhgalter; SKAKUNOV, N.V., glav. inzh.; SHUMILIN, V.S., glav. inzh.; CHERNORUBASHKIN, N.A., kombayner; DRYABO, N.Ye.; ZABNEV, V.F., redaktor; SHIROKOV, B.G.; SHEPELEV, M.A.; LEONOVA, T.S.; SAITANIDI, L.D., tekhn. red.

[Hundred million poods of grain from Stalingrad Province] 100 millionov pudov stalingradskogo khleba. Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1960. 133 p. (MIRA 14:9)

1. Pervyy sekretar' Stalingradskogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Zhegalin). 2. Oblastnoye upravleniye sel'skogo khozyaystva Stalingradskoy oblasti (for Pustygin). 3. Nekhayevskiy rayonnyy komitet Kommunisticheskoy partii Sovetskogo Soyuza (for Spodenyuk). 4. Nachal'nik Kotel'nikovskoy rayonnoy sel'skokhozyaystvennoy inspektsii, Krayniy Yugo-vostok(for Bykov). 5. Kolkhoz "Deminskiy" Novo-Annenskogo rayona, Stalingradskoy oblasti (for Redin). 6. Predsedatel' kolkhoza "Zavety Il'icha" Kalininskogo rayona (for Logvin). 7. Nachal'nik Novo-Annenskoy rayonnoy sel'skokhozyaystvennoy inspektsii (for Gusev). 8. Direktor sovkhoza imeni Frunze Serafimovichskogo rayona Stalingradskoy oblasti (for Petrov). 9. Stalingradskoye oblastnoye upravleniye sel'skogo khozyaystva (for Vlasov). 10. Sovkhoz "Dinamo" Nekhayevskogo rayona Stalingradskoy oblasti (for Sheremet).

(Continued on next card)

ZHEGALIN,I.K.—— (continued) Card 2.

11. Oblastnoye upravleniye sel'skogo khozyaystva Stalingradskoy oblasti (for Skakunov). 12. Sovkhoz "Verkhne-Buzinovskiy" Stalingradskoy oblasti (for Shumilin). 13. Otdeleniye No.6 sovkhoza "Serebryakovskiy" Mikhaylovskogo rayona Stalingradskoy oblasti (for Chernorubashkin). 14. Zven'yevoy kolkhoza imeni Lenina Zhirnovskogo rayona Stalingradskoy oblasti (for Dryabo). 15. Danilovskaya rayonnaya gazeta "Kolkhoznoye znamya" Stalingradskoy oblasti (for Zabnev). 16. Zamestitel' predsedatelya oblastnogo ispolnitel'nogo komiteta Stalingradskoy oblasti (for Shirokov).

(Volgagrad Province—Grain)

LETOKHOV, V.S.; VATSURA, V.V.; PUKHLIK, Yu.A.; FEDOTOV, D.I.; KOSOZHIKHIN, A.S.; ZHABOTINSKIY, M.Ye.; DASHEVSKAYA, Ye.I.; KOZLOV, A.N.; RUVINSKIY, L.G.; VASIN, V.A.; YURGENEV, L.S.; NOVOMIROVA, I.Z.; PETROVA, G.N.; SHCHEDROVITSKIY, S.S.; BELYAYEVA, A.A.; BRYKINA, L.I.; GLEBOV, V.M.; DRONOV, M.I.; KONOVALOV, M.D.; TARAPIN, V.N.; MIKHAYLOVSKIY, S.S.; ZHEGALIN, V.G.; ZHABIN, A.I.; GRIBOV, V.S.; MAL'KOV, A.P.; CHERNOV, V.N.; RATNOVSKIY, V.Ya.; VOROB'YEVA, L.M.; MILOVANOVA, M.M.; ZARIPOV, M.F.; KULIKOVSKIY, L.F.; GONCHARSKIY, L.A.; TYAN KHAK SU

Inventions.. Avtom. i prib. no.1:78-80 Ja-Mr '65.
(MIRA 18:8)

ZHEGALKIN, G. A.

"Modernization and Ferfection of the USSR Fluorograph." Vestnik Rentfenol i Radiol (Herald of Roentgenology and Raiology), No. 5, pp 28-33, 1951.

ZHEGALKIN, G.A.

DMOKHOVSKIY, V.V.; ZHEGALKIN, G.A.; LAZUNOVA, I.G.; YAL'TSEV, P.D.

Large frame fluorography. Vest. rent. i rad. no.4:56-61 Jl-Ag '55. (MLRA 8:12)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir.prof. P.D.Yal'tsev)

(FLUOROSCOPIC
fluorography, large size, practical evaluation)

SHMELEV, V.K.; BOGDANOV, D.I.; BLINOV, N.N.; ZHEGALKIN, G.A.

"Principles of X-ray engineering" by V.V. Dmokhovskii. Reviewed by V.K. Shmelev and others. Elektrichestvo no.10:92-94 O '61. (MIRA 14:10)

(X rays)
(Dmokhovskii, V.V.)

ZHEGALKIN, I. I.

V. Ialan, S. ya Acad. Sci, 223 (1946), 1086-1087. Arifmetizatsiya simvolicheskoy logiki Matem. sb. 35 (1928), 311-378. Arifmetizatsiya simvolicheskoy Logiki (Prodolzheniye). Matem. SB., 36 (1929), 205-338. K probleme razreshimosti. Matem. sb., 6 (48)(1930), 185-198. / Problema razreshimosti na konechnykh klassakh. M., Uchen. zap un-ta, 100 (1946), 155-211.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

ZHEGALKINA, N.G.

Method of correlation analysis in the study of electroencephalogram in rabbits under the influence of a direct current anode on the sensomotor zone of the cerebral cortex. Zhur. vys. nerv. deiat. 15 no.6:1107-1112 N-D '65. (MIRA 19:1)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. Submitted October 26, 1964.

ZHEGALKINA, N. G. (Moscow)

"Some Problems of Analysis of Electroencephalograms."

report presented at the 3rd Conference on the use of Mathematics in Biology, Leningrad University, 23-28 Jan 1961.
(Primeneniye matematicheskikh Metodov v Biologii. II, Leningrad, 1963, pp. 5-11

(Moscow Agricultural Academy imeni Timiryazev)

ZHEGALKINA, N.G.

Visual analysis of the electroencephalogram. Nov. med. tekh. no.2:83-87 '62. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh instrumentov i oborudovaniya.

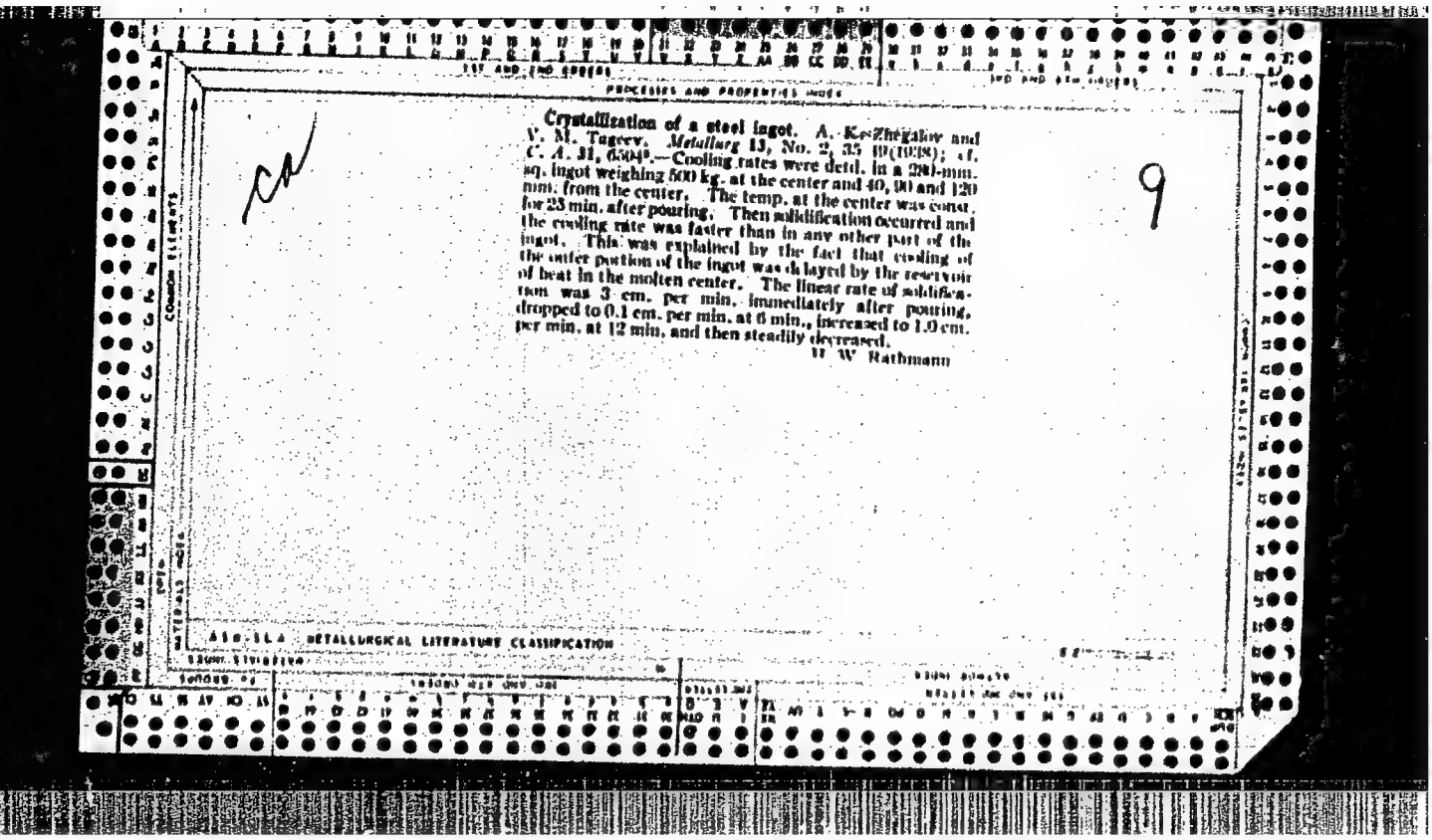
PETROVSKIY, I.G.; VOVCHENKO, G.D.; SALISHCHEV, K.A.; SERGEYEV, E.M.; MOSKVITIN, V.V.; SRETENSKIY, L.V.; GEL'FOND, A.D.; GOLUBEV, V.V.; ALEKSANDROV, P.S.; SOBOLEV, S.L.; BAKHVALOV, S.B.; OGUBALOV, P.M.; KREYNES, M.A.; MYASNIKOV, P.V.; ZHIDKOV, M.P.; GAL'PERN, S.A.; ZHEGALKINA-SLUDSKAYA, M.A.

[redacted]

Vsevolod Aleksandrovich Kudriavtsev; obituary. Vest.Mosk.un. 8 no.12:129 D '53. (MLRA 7:2)
(Kudriavtsev, Vsevolod Aleksandrovich, 1885-1953)

ZHEGALLO, V.I.

Study of the hipparion fauna in the Ortok region (Kirghiz S.S.R.). Biul.MOIP.Otd.geol. 36 no.6:119-120 N-D '61. (MIRA 15:7)
(Kirghizistan--Paleontology, Stratigraphy)



Crystallization of a steel ingot. A. Ke-Zhegalov and V. M. Tugeev. *Metallurg* 13, No. 2, 35-9(1938); cf. *C. A.* 31, 6504⁹.—Cooling rates were detd. in a 280-mm. sq. ingot weighing 500 kg. at the center and 40, 80 and 120 mm. from the center. The temp. at the center was const. for 23 min. after pouring. Then solidification occurred and the cooling rate was faster than in any other part of the ingot. This was explained by the fact that cooling of the outer portion of the ingot was delayed by the reservoir of heat in the molten center. The linear rate of solidification was 3 cm. per min. immediately after pouring, dropped to 0.1 cm. per min. at 6 min., increased to 1.9 cm. per min. at 12 min. and then steadily decreased.

H. W. Rathmann

ACC NR: AP7000317 SOURCE CODE: UR/0413/66/000/022/0052/0052

AUTHOR: Kareyev, M. F.; Plakhov, A. N.; Zheglov, V. A.; Kreshtapov, Ye. Ya.

ORG: None

TITLE: A device for automatically controlling the rate of motion of the plunger on a horizontal hydraulic press. Class 21, No. 188543 [announced by the All-Union Scientific Research and Design and Planning Institute of Metallurgical Machine Building (Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut metallurgicheskogo mashinostroyeniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 52

TOPIC TAGS: metal press, automatic control equipment, electronic equipment

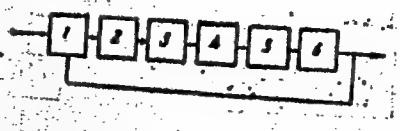
ABSTRACT: This Author's Certificate introduces a device for automatically controlling the rate of motion of the plunger on a horizontal press. The unit contains an amplifier and a DC-AC inverter. The installation is designed to handle a wide range of velocities, to improve efficiency at low velocity and to eliminate the zone of insensitivity and slow response. A master signal and a feedback signal are sent to the inputs of a discrete-analog comparator in the regulator, while the output of this comparator is connected through the inverter to a VFO which is connected through a

Card 1/2

UDC: 621.3.078.4-531.6:621.979-82

ACC NR: AP7000317

rectifier unit to the actuating step-by-step motor.



1—discrete-analog comparator; 2—inverter; 3—amplifier; 4—VFO; 5—rectifier unit; 6—step-by-step motor

SUB CODE: 13, 09/ SUBM DATE: 28May64

Card 2/2

YEL'YASHKEVICH, Samuil Abramovich; LEVYKIN, N.N., red.; FILIPPOV, A.I., red.; ZHUK, Ya.M., red.; ZHEGALOV, I.S., red.; ZINOV'YEV, G.P., red.; KOLYSHEV, P.P., red.; PORTNOV, M.N., red.; KHUDYAKOV, M.A., red.; PEVZNER, I.M., red.; SOBOLEVA, Ye.M., tekhn. red.

[Handbook on television receivers] Spravochnik po televizionnym priemnikam. Izd.3., perer. i dop. Moskva, Izd-vo "Energiia," 1964. 271 p. (MIRA 17:4)

ZHUK, Ya.M., kand.tekhn.nauk; ZHEGALOV, I.S., kand.tekhn.nauk

Overall mechanization of harvesting operations. Trakt.i sel'khozmash. no.8:17-20 Ag '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Harvesting machinery)

ZHEGALOV, I.S.

AFANAS'YEVA, A.L., kand.biol.nauk; BAYMRTUYEV, A.A., kand.sel'skokhozyaystvennykh nauk; BAL'CHUGOV, A.V., kand.sel'skokhozyaystvennykh nauk; BELOZEROVA, M.A., agronom; BELOZOROV, A.T., kand.sel'skokhozyaystvennykh nauk; MAKSIMENKO, V.P., agronom; BERNIKOV, V.V., doktor sel'skokhozyaystvennykh nauk; BOGOMYAGKOV, S.T., kand.sel'skokhozyaystvennykh nauk; VOLYNETS, O.S., agronom; BODROV, M.S., kand.sel'skokhozyaystvennykh nauk; BOGOSLAVSKIY, V.P., kand.tekhn.nauk; KHRUPPA, I.F., kand.tekhn.nauk; VERNER, A.R., doktor biol.nauk; VOZBUTSKAYA, A.Ye., kand.sel'skokhozyaystvennykh nauk; VOINOV, P.A., kand.sel'skokhozyaystvennykh nauk; VYSOKOS, G.P., kand.biol.nauk; GALDIN, M.V., inzhener-mekhanik; GERASIMOV, S.A., kand.tekhn.nauk; GORSHENIN, K.P., doktor sel'skokhozyaystvennykh nauk; YELENEV, A.V., inzhener-mekhanik; GERASKEVICH, S.V., mekhanik [deceased]; ZHARIKOVA, L.D., kand.sel'skokhozyaystvennykh nauk; ZHEGALOV, I.S., kand.tekhn.nauk; ZIMINA, Ye.A., agronom; BARANOV, V.V., kand.tekhn.nauk; PAVLOV, V.D.; IVANOV, V.K., kand.sel'skokhozyaystvennykh nauk; KAPLAN, S.M., kand.sel'skokhozyaystvennykh nauk; KATIN-YARTSEV, L.V., kand.sel'skokhozyaystvennykh nauk; KOPYRIN, V.I., doktor sel'skokhozyaystvennykh nauk; KOCHERGIN, A.Ye., kand.sel'skokhozyaystvennykh nauk; KOZHEVNIKOV, A.R., kand.sel'skokhozyaystvennykh nauk; KUZNETSOV, I.N., kand.sel'skokhozyaystvennykh nauk; LAMBIN, A.Z., doktor biol.nauk; LEOMT'YEV, S.I., kand.sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand.sel'skokhozyaystvennykh nauk; MAKAROVA, G.I., kand.sel'skokhozyaystvennykh nauk; MEL'NIKOV, G.A., inzhener; ZHDANOV, B.A., kand.sel'skokhozyaystvennykh nauk; MIKHAYLENKO, M.A., kand.sel'skokhozyaystvennykh nauk; MAGILEVTSEVA, N.A., kand.sel'skokhozyaystvennykh nauk;

(Continued on next card)

AFANAS'YEVA, A.L.... (continued) Card 2.

NIKIFOROV, P.Ye., kand.sel'skokhozyaystvennykh nauk; NEMASHEV, M.I., lesovod; PERVUSHINA, A.N., agronom; PLOTNIKOV, N.A., kand.biol.nauk; L.G.; kand.sel'skokhozyaystvennykh nauk; PAVLOV, V.D., kand.tekhn. nauk; PRUTSKOVA, M.G., kand.sel'skokhozyaystvennykh nauk; GURCHENKO, V.S., agronom; POPOVA, G.I., kand. sel'skokhozyaystvennykn nauk; PORTYANKO, A.F., agronom; RUCHKIN, V.N., prof.; RUSHKOVSKIY, T.V., agronom; SAVITSKIY, M.S., kand.sel'skokhozyaystvennykh nauk; BOLDIN, D.T., agronom; NESTEROVA, A.V., agronom; SERAFIMOVICH, L.N., kand. tekhn.nauk; SMIRNOV, I.N., kand.sel'skokhozyaystvennykh nauk; SEREBRYANSKAYA, P.I., kand.tekhn.nauk; TOKHTUYEV, A.V., kand. sel'skokhozyaystvennykh nauk; FAL'KO, O.S., izuh.; FEDYUSHIN, A.V., doktor biol.nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; YUFEROV, V.A., kand.sel'skokhozyaystvennykh nauk; YAKHTENFEL'D, P.A., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOR'KOVA, Z.D., tekhn.red.

[Handbook for Siberian agriculturists] Spravochnaia kniga agronoma Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry. Vol.1. 1957. 964 p. (Siberia--Agriculture) (MIRA 11:2)

ZHEGALOV, I. S.

Zhegalov, I. S. — "Investigation of a Combine Method of Harvesting Rice." United Academic Council of the All-Union Sci Res Inst of Mechanization of Agriculture VIM and the All-Union Sci Res Inst of Electrification of Agriculture, VIESKh, Moscow, 1955 (Dissertation for Degree of Candidate of Technical Sciences).

SO; Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104.

ZHEGALOV, I.S.; LEVKIN, A.D.; MARKOVICH, I.M.; BAYKOVA, N.Ya.; SHEVCHENKO, S.I.; ZHUK, Yd.M., kand. tekhn. nauk, red.; KRYUKOV, V.L., red.; ANTONOVA, N.M., tekhn. red.

[Harvesting grain in two and three stages] Dvukh- i trekhfasnaia uborka zernovykh kul'tur. Moskva, Sel'khozgiz, 1961. 92 p. (MIRA 14:9)

1. Sotrudniki laboratorii mekhanizatsii uborki, ochistki, sushki i khraneniya zerna Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanizatsii sel'skogo khozyaystva (for all except Zhuk, Kryukov, Antonova).

(Grain--Harvesting)

ZHELALOV, L.I.

Designing a scheme for the acceleration of a cam mechanism. Trudy Sem. teor.mash. 12 no.47:89-93 '52. (MLRA 6:6)
(Cams)

Zhegalov, L. I. -- "The design of a minimum profile for a cam with flat plunger, with plunge movement predetermined, by the method of geometric loci," Seminara po teorii mashin i mekhanizmov (Akad. nauk SSSR, In-t mashinovedeniya), Vol. VI, Issue 21, 1949, p. 69-71

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

ZHEGALOV, S.B.

Sex heredity law in animals. Usp. sovrem. biol. 30 no.1:130-144 July-Aug. 1950. (CIML 20:1)

1. Moscow.

ZHEGALOV, S. B.

Regularity in sex inheritance in animals. Uchen. zapski vtor. moskov. med. Inst. Stalina 1:32-43 1951. (CIML 21;3)

1. Assistant. 2. Department of General Biology (Head -- Prof. V. V. Makhovko.

MAKHOVKO, V.V., professor; ZORIN, A.N.; KOROBOVA, T.B.; KRASHENINNIKOVA, A.I.; LAPINA, V.F.; SMIRNOVA, Ye.I.; SUKHACHEV, N.G.; KHEGALOV, S.B.

[Practical work in general biology for medical schools] Praktikum po obshchei biologii dlia medvuzov. Moskva, Medgiz, 1953. 294 p. (MLRA 7:1)
(Biology)

L 19418-63 EWT(d)/FCC(w)/BDS AFFTC/IJP(C)
ACCESSION NR: AR3005371 S/0044/63/000/006/B055/B055

SOURCE: RZh. Matematika, Abs. 6B259

AUTHOR: Zhegalov, V. I.

TITLE: Boundary value problem for mixed-type equation with boundary conditions on both characteristics and with discontinuities on transition line

CITED SOURCE: Uch. zap. Kazansk. un-t, v. 122, no. 3, 1962, 3-16

TOPIC TAGS: partial differential equation, boundary condition, Hilbert problem, boundary value problem, Jordan line, Riemann problem

TRANSLATION: The equation

$$\frac{\partial^2 u}{\partial x^2} \operatorname{sgn} y \frac{\partial^2 u}{\partial y^2} = 0 \qquad (1)$$

is considered in a simply connected region D of the plane $z = x + iy$ limited by a Jordan line σ with end points A(0,0) and B(1,0) with $y > 0$, and the characteristics of equation (1). The following problem is posed: to find a function $u(x,y)$ which is a solution of equation (1) in the region D with $y \neq 0$ continuous in $\bar{D} =$ $\overline{D}$, 17 and continuously differentiable in $D_1 (y > 0)$ and $D_2 (y < 0)$; moreover, its

Card 1/3

derivatives in the neighborhood of points A and B can go to infinity of an order lower than one if the following conditions are fulfilled on the line σ and the characteristics:

$$u=\varphi(\tau),\ \tau\in\sigma,$$
$$a(x)\,u(x,-x)+b(x)\,u\left(x+\frac{1}{2},x-\frac{1}{2}\right)=c(x),\quad (2)$$
$$0<x<\frac{1}{2}.$$

Joining conditions are fulfilled on the segment AB. The solution of the problem is sought for the case where σ is a semicircle $\left|z-\frac{1}{2}\right|=\frac{1}{2}$, $y>0$. In region D_2 the general solution of equation (1) is given by the formula $u(x,y)=f_1(x+y)-f_2(x-y)$.

On the basis of the initial data and joining conditions, the relation between f_1 and f_2 is found. In region D_1 the problem is reduced to the Hilbert problem: to find a function $F(z)=u+iv$ analytic in D_1 if the following condition is fulfilled on the line $L=\sigma+AB$:

$$m(\tau)\,u(\tau)+n(\tau)\,v(\tau)=r(\tau),\ \tau\in L,$$

and $m(\tau)$, $n(\tau)$, $r(\tau)$ satisfy certain conditions. Then in this region we consider the equation

$$\left(\frac{\partial^2}{\partial x^2}+\operatorname{sgn} y\frac{\partial^2}{\partial y^2}\right)^n u=0. \quad (3)$$

We find the solution $u(x,y)$ of equation (3) satisfying certain conditions on σ

Card 2/3

L 19418-63
ACCESSION NR: AR3005371

and on the characteristics, and joining conditions on AB; the solution of the problem on a plane is used for this. It is shown that if all indices X_k of the Riemann problems with certain coefficients are non-negative, then the problem under consideration is soluble and its solution depends on $N-\sum_{k=0}^{k-1}(\varkappa_k+1)$ arbitrary real constants. If at least one of the X_k is non-negative, then the solubility of the problems depends on the properties of the functions entering into the boundary conditions and the joining conditions. L. Vostrova.

DATE ACQ: 24Jul63 SUB CODE: MM ENCL: 00

Card 3/3

ZHEGLOV, V.

It is not necessary to invent a bicycle. Inform.biul.VDNKH no.1:35 Ja '65.

(MIRA 18:3)

L 19420-63 EWT(d)/FCC(w)/BDS AFFTC/IJP(C)

ACCESSION NR: AR3005370 S/0044/63/000/006/B054/B055

SOURCE: RZh. Matematika, Abs. 6B258

AUTHOR: Zhegalov, V. I. 53

TITLE: Some boundary problems for a system of equations of the mixed type of the second order 16

CITED SOURCE: Uch. zap. Kazansk. un-t, v. 122, no. 3, 1962, 17-29

TOPIC TAGS: partial differential equation, Hilbert problem

TRANSLATION: The author considers the system of equations

$$\frac{\partial^2 u}{\partial x^2} - \operatorname{sgn} y \frac{\partial^2 u}{\partial y^2} = 2 \frac{\partial^2 v}{\partial y \partial x},$$
$$-\operatorname{sgn} y \frac{\partial^2 v}{\partial x^2} + \frac{\partial^2 v}{\partial y^2} = 2 \frac{\partial^2 u}{\partial y \partial x}. \qquad (1)$$

Two problems are posed.

T_∞ problem: To determine the functions $u(x, y)$ and $v(x, y)$ satisfying the following conditions: u and v satisfy (1) at all finite points of the plane, except the

Card 1/2

L 19420-63
ACCESSION NR: AR3005370

points lying on the real axis. They are continuous along with the first derivatives and are finite. Along the line $L_1 + L_2$ we have the following conditions fulfilled:

$$a(x)u + b(x)v = c(x),$$

$$a_1(x)\frac{\partial u}{\partial n} + b_1(x)\frac{\partial v}{\partial n} = c_1(x) \qquad (-\infty < x < +\infty). \quad (2$$

In the T^{*}_{∞} problem, conditions (2) are fulfilled on the line $l_1 + l_2$. Here L_1 and L_2 are the negative and positive real semiaxes of the plane (x,y), respectively and l_1 and l_2 are characteristics: $x - y = 0$, $y \leq 0$, and $x + y = 0$, $y \leq 0$; D_1, D_0, D_2 are regions into which the lower semiplane is divided by the characteristics l_1 and l_2.

The T_{∞} problem reduces to the Hilbert problems which are solved in two ways. A scheme is given for solving the T^{*}_{∞} problem by reducing it to the T_{∞} problem.

L. Vostrova.

DATE ACQ: 24Jul63

SUB CODE: MM

ENCL: 00

Card 2/2

89600

S/020/61/136/002/003/034
C 111/ C 333

16.3500
AUTHOR: Zhegalov, V. I.

TITLE: Boundary Value Problem for a Mixed Type of Equation of Higher Order

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 2, pp. 274-276

TEXT: Let D be a simply connected domain of the plane $z = x + iy$ which is bounded by the Jordan curve σ lying in $y > 0$ with the end points A(0,0) and B(1,0) and by the characteristics AC : $x+y = 0$ and CB : $x-y = 1$ of the equation

$$(1) \qquad \left(\frac{\partial^2}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2}{\partial y^2}\right)^n u = 0.$$

Problem: Determine a function $u(x,y)$ which is solution of (1) in D for $y \neq 0$, which is continuous even on the boundary, which possesses continuous partial derivatives up to the $(2n-1)$-st order inclusively everywhere in D eventually except the neighborhoods of A and D, where the $(2n-1)$-st derivatives may become infinite of order < 1, and which satisfies the conditions

Card 1/4

S/020/61/136/002/003/034
C 111/ C 333

Boundary Value Problem for a Mixed Type of Equation of Higher Order

$$(2)\quad \left(\frac{\partial^2}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2}{\partial y^2}\right)^k u = \begin{cases} \varphi_k(\tau) & \text{on } \sigma \\ \psi_k(x) & \text{on AC} \end{cases}$$

$$(3)\quad \varphi_k(0) = \psi_k(0), \quad k = 0,1,\ldots, n-1$$

where the φ_k, ψ_k are given, ψ_k (2n-n2k)-times and φ_k (2n-2k-1)-times continuously differentiable.

The author proves the existence and uniqueness of the problem for the case that σ is the semicircle $|z - 1/2| = 1/2$, $y > 0$. For the proof he replaces (1) by the equivalent system

$$(7)\quad \frac{\partial^2 u}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2 u}{\partial y^2} = u_1(x,y)$$

$$(8)\quad \frac{\partial^2 u_r}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2 u_r}{\partial u^2} = u_{r+1}(x,y) \quad (r = 1,\ldots, n-1).$$

Card 2/4

S/020/61/136/002/003/034
C 111/ C 333

Boundary Value Problem for a Mixed Type of Equation of Higher Order

Considering (2), (3) one obtains the problem T for (7) and every equation (8) (according to A. V. Bitsadze (Ref.2)). The T-problems obtained are successively solved by use of the results of M. A. Lavrent'yev, M. P. Ganin and L. J. Chibrikova (Ref.6), and give the sought solution in D_1 as real part of a polyanalytic function (D_1 is the part of D with $y > 0$). If $u^*(x,y)$ is this solution in D_1, then $u(x,y) = u^*(x+y, 0) + G(x,y) - G(x+y,0)$, where G is known, is the solution in D_2 (the part of D with $y < 0$).

The uniqueness of the solution follows from the fact that for vanishing boundary conditions all the equations (8) and (7) turn into equations of M. A. Lavrent'yev for which the problem T has one zero solution only.

The author thanks L. J. Chibrikova for the guidance.

There are 6 Soviet references.

89600

S/020/61/136/002/003/034
C 111/ C 333

Boundary Value Problem for a Mixed Type of Equation of Higher Order

[Abstracter's note: (Ref.2) is a paper of A. V. Bitsadze in Tr. Matem. inst. im. V. A. Steklova AN SSSR, 1953, 41, 3; (Ref.6) concerns a paper of L. J. Chibrikova in Uch. zap. Kazansk. univ., 1957, 117, kn. 9, 48].

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V. J. Ul'yanova-Lenina (Kazan' State University imeni V. J. Ul'yanov-Lenin)

PRESENTED: July 29, 1960, by J. N. Vekua, Academician

SUBMITTED: July 6, 1960

Card 4/4

ZHEGALOV, V.I.

Boundary value problem for a mixed equation of a higher order. Dokl. AN SSSR 136 no.2:274-276 '61. (MIRA 14:1)

1. Kazanskiy gosudarstvennyy universitet imeni V.I. Ul'yanova-Lenina. Predstavleno akademikom I.N. Vekua.
(Boundary value problems)

ZHEGALOV, V.I.

Boundary problem for a mixed-type equation of the fourth order. Izv. vys. ucheb. zav.; mat. no.4:73-78 '60. (MIRA 13:10)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
(Differential equations, Partial)

83210

S/140/60/000/004/002/006
C111/C333

16.3500

AUTHOR: Zhegalov, V.I.

TITLE: On a Boundary Value Problem for an Equation of Mixed Type and of Order Four

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960, No. 4, pp. 73-78

TEXT: Let D be a simply connected domain of the z-plane, z=x+iy, which is bounded by a Jordan curve σ with the end points A(0,0) and B(1,0) which lies in the half plane $y>0$, and by the characteristics AC : x+y=0 and BC : x-y=1 of the equation

$$(1) \qquad \left(\frac{\partial^2}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2}{\partial y^2}\right)^2 u = 0.$$

A function u(x,y) is sought which is solution of (1) in D for $y \neq 0$, which is continuous in $\bar{D}$ and which possesses in D (with possible exception of the neighborhoods of A and B) continuous partial derivatives up to the order three (in the neighborhood of A and B the third derivatives of u can possess poles of the order <1), and which satisfies the condition:

Card 1/3

83210
S/140/60/000/004/002/006
C111/C333

On a Boundary Value Problem for an Equation of Mixed Type and of Order Four

$$(2)\quad u = \begin{cases} \varphi_1(\nu) \text{ on } \sigma \\ \psi_1(x) \text{ on AC} \end{cases} \qquad \frac{\partial^2 u}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2 u}{\partial y^2} = \begin{cases} \varphi_2(\nu) \text{ on } \sigma \\ \psi_2(x) \text{ on AC} \end{cases}$$

$$\varphi_1(0) = \psi_1(0), \quad \varphi_2(0) = \psi_2(0),$$

where φ_2 is once, ψ_2 twice, φ_1 three times and ψ_1 four times continuously differentiable.
The author replaces (1) by the equivalent system

$$(4)\quad \frac{\partial^2 u}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2 u}{\partial y^2} = u_1(x,y), \qquad (5)\quad \frac{\partial^2 u_1}{\partial x^2} + \operatorname{sgn} y \frac{\partial^2 u_1}{\partial y^2} = 0.$$

The uniqueness of the solution is proved for (4) and (5) (as in (Ref.1) by R.Ya.Agishev) by considering the problems T (according to A.V.Bitsadze (Ref. 2)). For the case $\sigma : \left|x-\frac{1}{2}\right| = \frac{1}{2}$, $y>0$ the author gives an effective

Card 2/3

S/140/60/000/004/002/006
C111/C333

On a Boundary Value Problem for an Equation of Mixed Type and of Order Four

proof of existence. Let D_1 and D_2 be the parts of D, where $y>0$ or $y<0$. For the determination of $u_1(x,y)$ one obtains the problem T, the solution of which is given in the elliptic part D_1 and in the hyperbolic part D_2 in (Ref. 2). For the determination of u from (4) the author uses complex representations of u according to Vekua as well as methods of L.I. Chibrikova (Ref. 5) for Hilbert problems and methods of M.P.Ganin (Ref.4). There are 5 Soviet references.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina (Kazan' State University imeni V.I.Ul'yanov-Lenin)

SUBMITTED: January 19, 1960

Card 3/3

IVANKOV, P.A.; KUBLANOVSKIY L.B.; ZHEGALOV, V.K.

Remote control of water-enclosed wells. Neft.khoz. 34 no.1:35-38 Ja '56. (MLRA 9:5)
(Oil fields--Equipment and supplies) (Remote control)

38742
S/194/62/000/005/039/157
D222/D309

16,8000

AUTHOR: Zhegalov, V.K.

TITLE: Frequency-combination system of telemechanics KYC -1 (KChS-1)

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-2-140 d (Tr. Vses. neftegaz n.-i. in-t, 1961, no. 35, 122-128)

TEXT: VNII has designed a frequency-combination telemechanical system, KChS-1, for the telemechanization of decentralized objects in the oil industry. The radius of action is 5-7 km. A single-wire line is used as a communication channel. The second conductor is the earth. KChS-1 is intended for 20 objects, and it ensures the execution of the following functions: Remote control of objects; signalling the state of each aggregate; telephone communication. For the selection of an object and for the sending of control instructions from a dispatcher point, various combinations of five sound frequencies, in pairs, are transmitted. The first frequency is emitted temporarily (50 - 100 msec), and the second for the whole dura-

Card 1/2

Frequency-combination system of ... S/194/62/000/005/039/157
D222/D309

tion of selection and control of the object. The five fixed-frequency generators (500, 800, 1100, 1400 and 1700 c/s) are built with transistors. The receivers are series-connected tuned circuits, tuned to the corresponding frequencies. A tapping of the inductance coil of the tuned circuit is connected to a relay which switches on the corresponding actuating mechanism. The voltage required for the operation of the receivers is 30 - 50 v. Control of the telemechanized objects and the sending of an alarm signal from any point is executed by a DC voltage of ± 30 v. [Abstractor's note: Complete translation].

Card 2/2

ZHEGALOV, V.K.

KChs-1 frequency-combination remote control system. Trudy VNII no.35:122-128 '61. (MIRA 15:1)
(Oil fields--Equipment and supplies)
(Remote control)

PLEKHANOVA, M.Ye.; ZHEGALOV, V.K.

Using power distributing networks in oil fields for transmitting communication and remote control signals. Trudy VNII no.35:98-116 '61. (MIRA 15:1)

(Oil fields--Communication systems)
(Remote control)

ZHEGALOV, V.M., inzh.; KHRAMOV, N. Ya., inzh.

Speeding-up the operation of the protective network of the automatic switching-in of reserve. Elek. sta. 31 no.12:70-71 D '60. (MIRA 14:5)

(Electric power plants)

ZHEGLOV, V.V., inzh.; NARZYKULOV, N.B., inzh.

At the Exhibition of the Achievements of the National Economy.
Mekh. i avtom. proizv. 18 no.12:35-36 D '64.
(MIRA 18:3)

VLASOV, G.M.; YARMOLYUK, V.A.; ZHEGALOV, Yu.V.

Some basis tectonic problems of Kamchatka. Sov. geol 6 no.6: 32-50 Je '63. (MIRA 16:7)

1. Dal'nevostochnoye geologicheskoye upravleniye.
(Kamchatka—Geology, Structural)

BELOVA, M.B.; VASIL'YEV, V.G.; VLASOV, G.M.; GRYAZNOV, L.P.; DRABKIN, I.Ye.; ZHEGALOV, Yu.V.; KARBIVNICHIY, I.N.; KLENOV, Ye.P.; KRYLOV, V.V.; TITOV, V.A.; ZARETSKAYA, A.I., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Geology and oil and gas potentials of Kamchatka] Geologicheskoe stroenie i perspektivy neftegazonosnosti Kamchatki. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 343 p. (MIRA 14:9)

(Kamchatka—Petroleum geology)
(Kamchatka—Gas, Natual—Geology)

VLASOV, G.M.; VASILEVSKIY, M.M.; ZHEGALOV, Yu.V.

Geological conditions of finds and features of the genesis of mercury ores in the central Kamchatka Range. Biul.VSEGEI no.1: 104-111 '58 (MIRA 14:5)

(Kamchatka--Mercury ores)

ZHEGALOVA, T.S., kandidat tekhnicheskikh nauk.

Planetary and differential gears. Trudy MAI no.72:28-54 '57.
(Gearing) (MIRA 10:4)

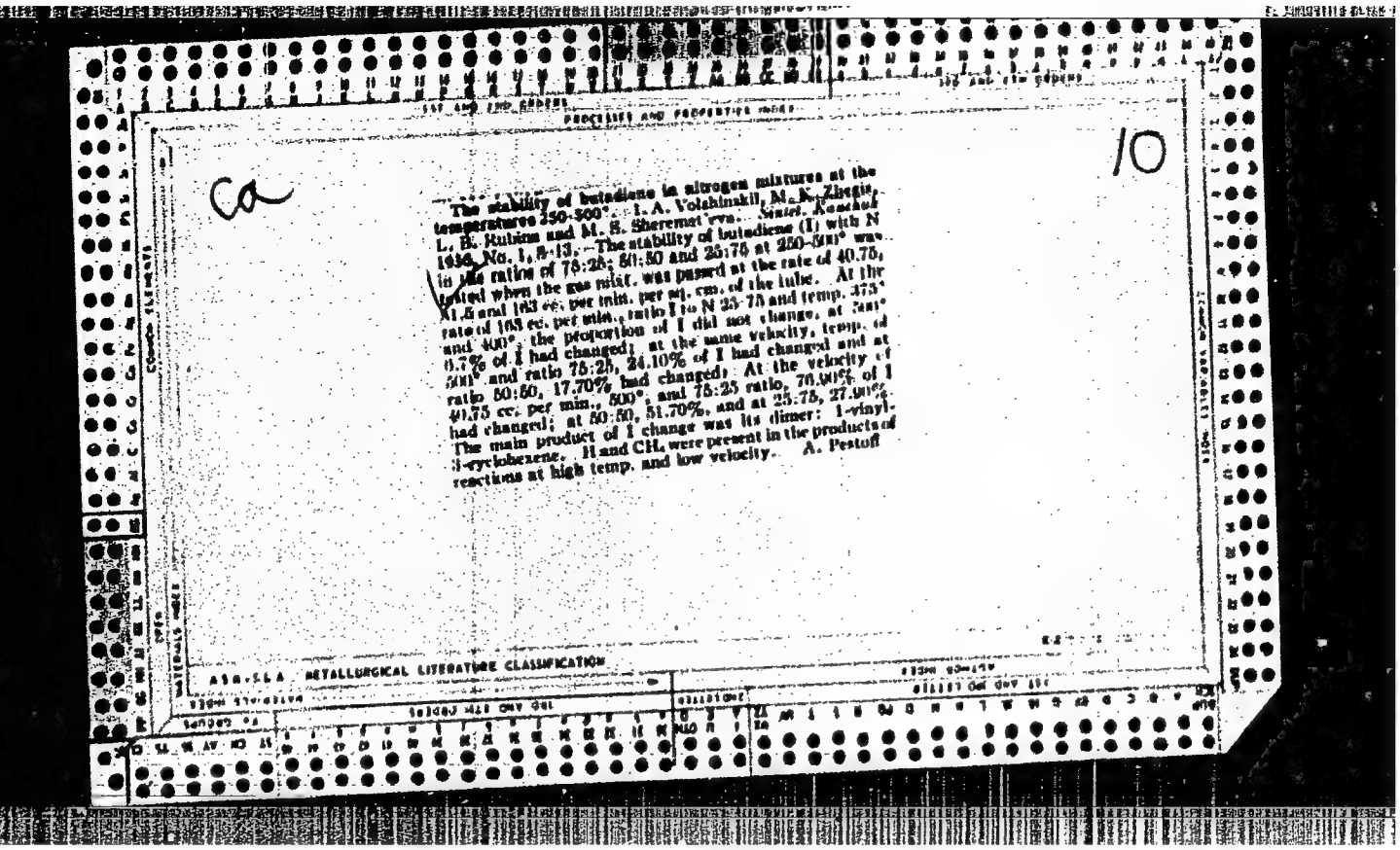
ZIEGALOVA, T.S.

"Kinematic Analysis of Mechanisms With Flexible Links" Tr. MAI, No 30, 1953, 10-33

A flexible link which drives a crank is wound around a drive pulley. When the pulley rotates rhrough an angle F_1, the crankshaft turns through another angle F_2. The author presents a graphic determination of the positions of the crank and link for a given angle of rotation of the drive pulley. Using the conditions for compactness of vector countours for mechanisms with rigid rinkd the author derives a differential equation connecting the first and second derivates of F2 with the second derrivative of F_1. (RZhMekH, No 9, 1955)

ZHEGALOVA, T.S. (Moskva)

Selecting the guiding link for a dynamic investigation of a mechanism. Mashinovedenie no.5:36-40 '65. (MIRA 18:9)



Ca

10

The stability of butadiene in nitrogen mixtures at the temperatures 250-500°. I. A. Volshinskii, M. K. Zhegin, L. B. Rubina and M. S. Sheremet'eva. *Zhur. Obshchei Khimii* 1936, No. 1, 8-13.—The stability of butadiene (I) with N in the ratio of 75:25; 50:50 and 25:75 at 250-500° was tested when the gas mixt. was passed at the rate of 40.75, 81.5 and 163 cc. per min. per sq. cm. of the tube. At the rate of 163 cc. per min., ratio I to N 25:75 and temp. 375° and 400°, the proportion of I did not change, at 425° 0.7% of I had changed; at the same velocity, temp. of 500° and ratio 75:25, 24.10% of I had changed; at the velocity of ratio 50:50, 17.70% had changed). At the velocity of 40.75 cc. per min., 500°, and 75:25 ratio, 76.00% of I had changed; at 50:50, 51.70%, and at 25:75, 27.00%. The main product of I change was its dimer: 1-vinyl-3-cyclohexene. H and CH_4 were present in the products of reactions at high temp. and low velocity. A. Pestoff

ZHEGLOV, V.V.; NARZYKULOV, N.B.

Isotopes used in checking, automatic control and measurements.
Inform.biul.VDNKH no.5:32-33 My '64. (MIRA 18:5)

1. Starshiye inzhenery-metodisty pavil'ona "Atomnaya energiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR.

ZHEGLOV, V.V.

Isotopes test the quality of articles. Inform. biul. VDNKH no.9: 32-34 S '64. (MIRA 17:12)

1. Starshiy inzh.-metodist pavil'ona "Atomnaya energiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR.

ZHEGLOV, V.V.

From the exhibition into production. Inform. biul. VLNKH no.10: 37 0 '64 (MIRA 18:1)

1. Starshiy inzh.-metodist pavil'ona "Atomnaya energiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR.

ZHEGLOV, V.V.

Isotopes carry out the exploration. Inform.biul.VDNKH no.11:32-34 N '64. (MIRA 18:2)

1. Starshiy inzh.-metodist pavil'ona "Atomnaya energiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR.

ZHEGLOV, V.V.

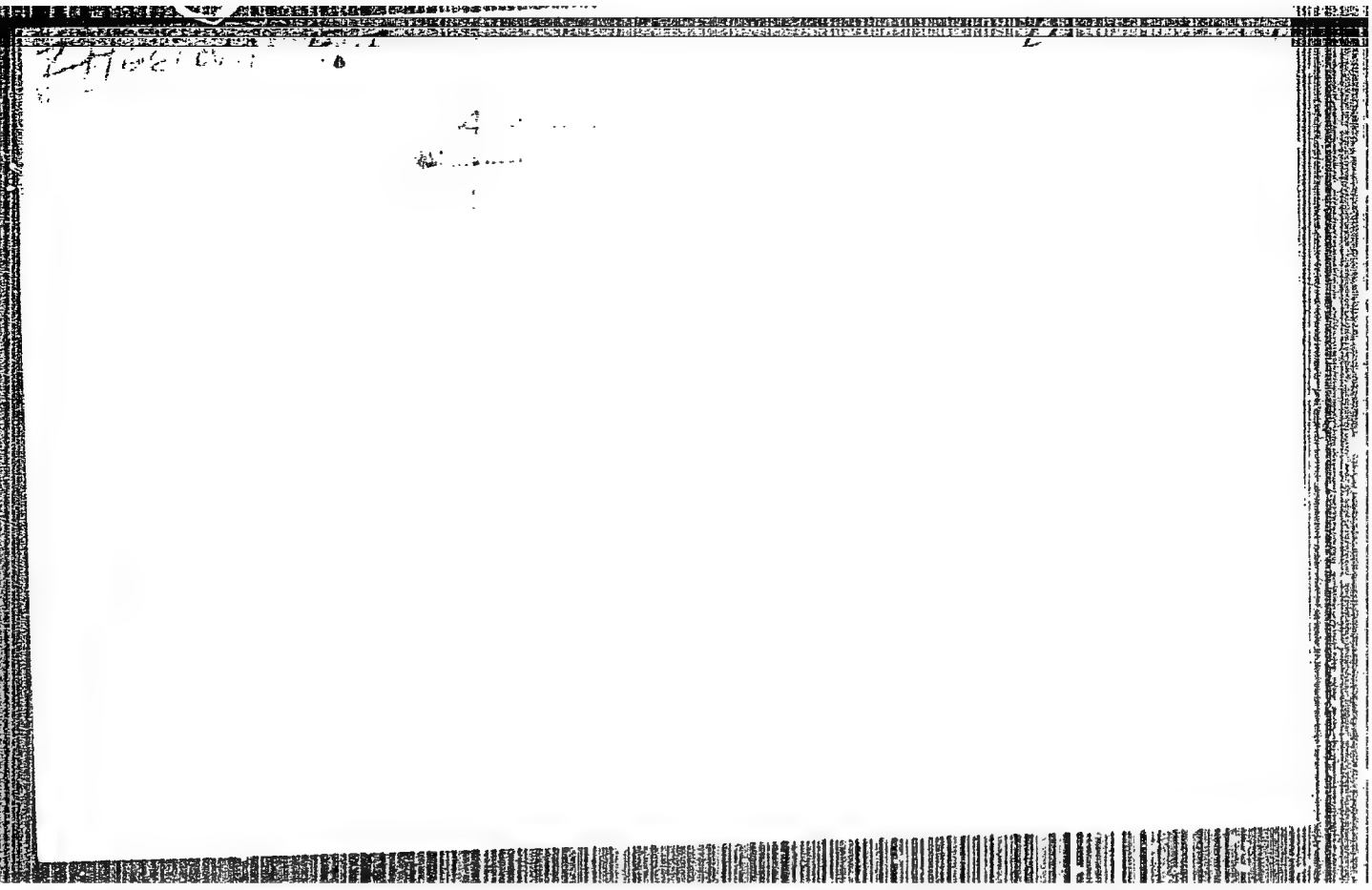
Physics in construction. Inform. biul. VDNKH no.12:33-34 D '64
(MIRA 18:2)

ZHEGLOVA, D.V.

PUNSKIY, Ye.Ye.; ZHEGLOVA, D.V.

Role of camels in the epidemiology of anthrax. Zhur.mikrobiol.epid. i immun. 29 no.2:78-82 F '58. (MIRA 11:4)

1. Iz Turkmenskoy protivochumnoy stantsii.
(ANTHRAX, transmission,
by camels (Rus)
(ANIMALS, diseases,
camels, anthrax transm. (Rus)



L 00374-66 EWT(d)/EED-2/EWP(1) IJP(c) BB/GG

ACCESSION NR: AR5013965 UR/0284/65/000/005/0007/0007
621:65.011.56

SOURCE: Ref. zh. Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroyenii. Otd. vyp., Abs. 5.35.63

AUTHOR: Breydo, M. D.; Goncharov, A. M.; Zheglova, N. V.; Zarnitsyn, G. D.; Kotel'nikov, I. V.; Moshkina, T. V.; Tarantovich, A. S.

TITLE: TEVM digital computer

CITED SOURCE: Tr. po vopr. primeneniya elektron. vychisl. mashin v nar. kh-ve. Gor'kiy, 1964, 171-173

TOPIC TAGS: digital computer, triple address system, computer design, computer performance range / TEVM computer, TEVM digital computer

TRANSLATION: The TEVM digital computer was designed for calculations used in planning production technology, including the process and routing of flowsheets based on pre-evolved algorithms. It is characterized by a requirement for storage of a number of element symbols in its memory system. It represents a triple address unit and operates on a system with a comma fixed after 18 digits. The total number of digits in a term is 48 (one number or one command). The operation code is expressed by 6 digits, another 6 digits are used

Card 1/2

L 00374-66
ACCESSION NR: AR5013965

for recording special instructions and the remaining digits are divided between three addresses. The unit is equipped with four memory systems: 1) a magnetic operating memory, capacity 512 terms, rotation period 6 msec. 2) an intermediate memory on a magnetic drum, capacity 1024 terms, average rotation period 10 msec, 3) permanent memory on a magnetic drum, capable of data readout only, capacity 2048 terms, average rotation period 10 msec; 4) magnetic tape with a capacity of 100 000 terms. The computer operates on a frequency of 25 kc, power consumption is 3 kw, output rate 20 terms/sec. A total of 39 commands can be performed, the unit operates at an average speed of 1500 operations per second. The unit employs semiconductors (4000 triodes), an integrator in the form of a trigger register with a continuous carry and without provision for shifts and a data input system either from a manual keyboard or via a tape reading photoinput system. The unit occupies 50 m^2. Bibl. with 7 titles, 1 illustration. N. S.

ENCL: 00

SUB CODE: DP

Card 2/2

L 8610-66 EWT(d)/EWP(1) IJP(c) BB/GG
ACC NR: AR5014365 SOURCE CODE: UR/0271/65/000/005/B057/B058

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 5B422

AUTHOR: Breydo, M. D.; Goncharov, A. M.; Zheglova, N. V.; Zarnitsyn, G. D.; Kotel'nikov, I. V.; Moshkina, T. V.; Tarantovich, A. S.

TITLE: TEVM digital computer

CITED SOURCE: Tr. po vopr. primeneniya elektron. vychisl. mashin v nar. kh-va. Gor'kiy, 1964, 171-173

TOPIC TAGS: digital computer, industrial digital computer

TRANSLATION: The TEVM digital computer is intended for planning operation and route flowsheets on the basis of developed algorithms and for other functions connected with processing. The necessity of storing the characteristics of the product is a special feature of the machine; the volume of this information is rather large. The TEVM machine has three addresses and operates on a fixed-

Card 1/2 UDC: 681.142.343

L 8610-66
ACC NR: AR5014365

after-18-digit-point system. There are 48 digits in a word (one number or one instruction). An operation code takes 6 digits. Special routine also takes 6 digits; the balance is divided among the three addresses. The computer has 4 types of storage: (1) an internal magnetic storage for 512 words with an access time of 6 microsec; (2) an intermediate magnetic-drum storage for 1024 words with an average access time of 10 millisec; (3) a nonvolatile magnetic-drum storage for information readout with a capacity of 2048 words and an average access time of 10 millisec; (4) a magnetic tape of 100 000-word capacity. The working frequency of the computer is 25 kc; the synchronization depends on the magnetic drum. A total of 39 instructions can be carried out, and the average speed is 1500 operations per sec. The adder is of the trigger-register type with a high-speed carry, no shift. Data photo input reads from a telegraph tape; manual keyboard input is also provided. A 20-number-per-sec output uses a printer. The computer comprises 4000 transistors and takes 3 kw. It occupies an area of 15 m^2. Bib. 7, fig. 1.

SUB CODE: 09

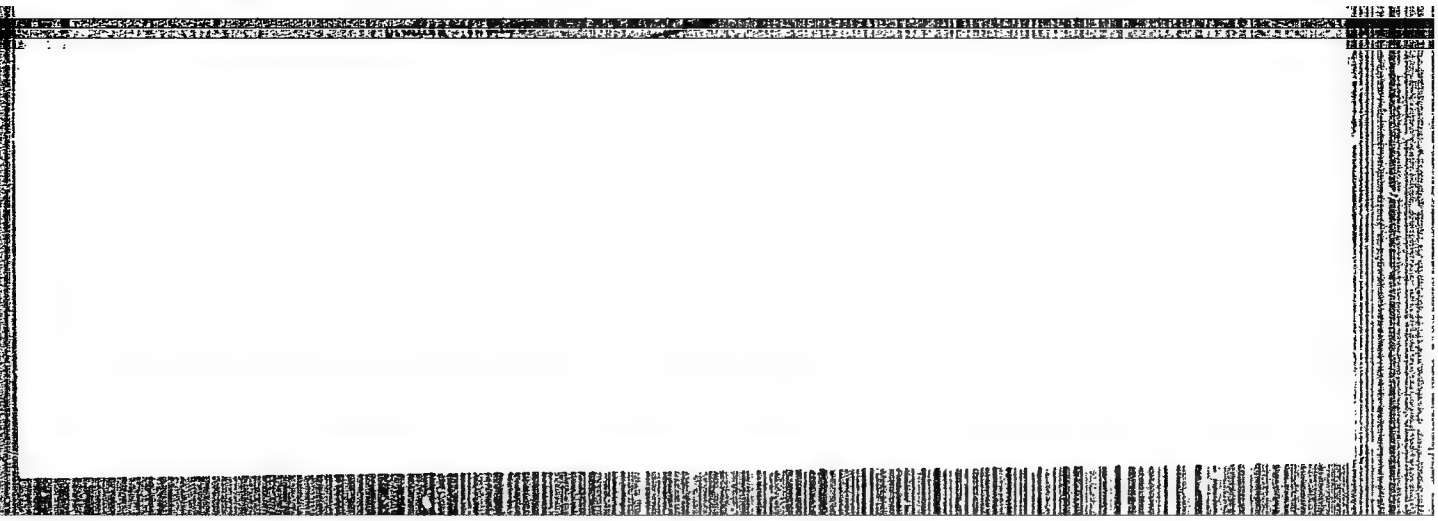
Card 2/2 jrn

ASTAULOV, V.S.; ZHEGLOVA, Ye.I.

Smelting magnesium alloys in commercial-frequency induction furnaces of the crucible type. TSvet. met. 29 no.7:73-80 Jl '56. (MLRA 9:10)

(Magnesium alloys) (Electric furnaces)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064630007-3"



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064630007-3"

ZHEGNEVSKAYA, G.S.

Climatic factors of humidification in the south European part of the U.S.S.R. Izv.Vses.geog.ob-va 86 no.6:537-542 N-D '54.
(Moisture) (MLRA 8:2)

Zheglov, I. Spring sonnets: a poem. p. 25. BULGARSKI VOIN. Sofiya. Vol. 4, no. 5, May 1955.

SO: Monthly List of the East European Accession (EEAL) LC. Vol. 4, no. 10, Oct. 1955. Uncl.

FILONOV, S. P. (Engineer); Titarenko, V. S. (Engineer); Zheglov, Yu. A. (Engineer); Voronov, I. P. (Candidate of technical sciences)

"Results of Testing of 3700 Turbine Units with Free Piston Gas Generator"

Energo-Mashinostroyeniye, No. 7, 1966, pp. 35-36.

Abstract: Results are presented from a testing of a gas turbine installation with a free piston gas generator produced by the Lugansk Locomotive Plant, designed for driving a centrifugal pump in an oil pipeline pumping station. The installation, the GTU 3700, demonstrated considerably higher efficiency and equivalent economic, starting and control characteristics when compared with open cycle turbine units now being produced. The gas temperature before the turbine did not exceed 490 degrees C. Economic calculations indicated that the unit would be efficiently usable in mainline oil pipeline installations. Orig. art. has: 1 figure. [JPRS: 37,564]

ORG: none

TOPIC TAGS: gas turbine, pipeline

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

Card 1/1 UDC: 621.438.001.42

0985 0590

BAICH, I.Z.; BLAGOV, V.L.; ZHEGOLEV, B.A.; DASHEVSKIY, [illegible]; [illegible]
B.A.; AGREST, D.M.

Using combined assembly blocks in constructing blast furnaces.
Prom. stroi. 39 no. 2:5-9 '61. (MIRA 14:2)

1. Yuzhnyy nauchno-issledovatel'skiy institut Akademii stroitel'-
stva i arkhitektury USSR (for Blagov). 2. Donbassstal'konstruktsiya
(for Zhegolev). 3. Gosudarstvennyy proyektnyy institut Ukrproyektstal'-
konstruktsiya (for Dashevskiy). 4. Donbassapromremontazh (for Sister).
5. Voroshilovskstroy (for Agrest).
(Blast furnaces) (Precast concrete construction)

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; VINARSKIY, I.S.; GOLOVATYUK, S.A.; NIKOLAYEV, G.P. Prinimali uchastiye: DATSUN, N.V.; ZHEGOV, V.T.; IVANITSKAYA, S.Yu.; KOMISSAROV, M.A.; KALINCHUK, I.G.; LISHBERGOV, V.D.; SMIRNOVENNIKOVA, S.O.; FILIN, V.D. DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR', V.A., red.; TYUTYUNIK, Ya.I., red.; VARSHAVSKIY, I.N., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.; BELYAYEV, F.R., red.; RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.L., tekhn.red.

[Types of mine cross section] Tipovye secheniia gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.5. [Cross section of mines with reinforced-concrete supports and hinge-hung crossbars for 1-, 2- and 3-ton railroad cars] Secheniia vyrabotok, zakreplennykh zhelezobetonnymi stoikami s sharnirno-podvesnym vekhniakom, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 411 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht. (Mine timbering)

TSIRESHKIN, D.M.; ZHEGULEVTSEVA, A.P.

Acute typhoid cholecistitis. Vest. khir. 94 no.1:113-114 Ja '65.
(MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni Spasokukotskogo (dir. - akademik A.N. Bakulev) i 1-y Moskovskoy gorodskoy klinicheskoy bol'nitsy imeni Pirogova (glavnyy vrach - zasluzhennyy vrach RSFSR L.D.Chernyshev).